



Video Products Technical Bulletin 30-2004-080

DATE: May 24, 2004

SUBJECT: **INCOMPLETE WHITE BALANCE ADJUSTMENT
AFTER CRT REPLACEMENT**

MODEL: *PVM-14L4*
PVM-14L4//C
PVM-14L4/1
PVM-14L5
PVM-14L5/1
PVM-14L5/2
PVM-14L5/3
PVM-20L2
PVM-20L2
PVM-20L2//C
PVM-20L2/1
PVM-20L2/1
PVM-20L2/2
PVM-20L2/2
PVM-20L4
PVM-20L4/1
PVM-20L5
PVM-20L5/1
PVM-20L5/2
PVM-20L5/3
PVM-20L5/4
PVM-9L2
PVM-9L2
PVM-9L2/1
PVM-9L2/1
PVM-9L2/2
PVM-9L2/2
PVM-D14L5A
PVM-D14L5A/1
PVM-D14L5A/2
PVM-D20L5A
PVM-D20L5A/1
PVM-D20L5A/2

Italicized information in green applies to customers outside the United States.

DESCRIPTION

When the CRT is replaced, the subsequent white balance adjustment may not be completely successfully.

An incomplete adjustment occurs due to a smaller than specified Ik detection current in the auto white balance circuit. If the replaced CRT has large ΔE_{kco} , the line circuit with the highest or lowest E_{kco} among the R/G/B lines becomes unstable, causing an incomplete white balance adjustment.

MODIFICATION PROCEDURE

After you replace the CRT, replace the following resistors with new resistors.

NOTE: Replacing the resistors enables the Ik detection current to increase and stabilize the auto white balance circuit.

PVM-14L4

C board R702 1 M Ω → 180 k Ω metal film 1-215-475-00

PVM-14L5/20L5 Series

C board R755 1 M Ω → 180 k Ω RN-CP 1-218-758-11

PVM-20L2/20L4

C board R702 560 k Ω → 180 k Ω carbon 1-247-885-00

PVM-9L2

B board R407 470 k Ω → 180 k Ω carbon 1-216-848-11

ORDERING INFORMATION

To order upgrades or for regional service center and parts ordering information, refer to the following document, which lists all contact telephone numbers:

Technical Bulletin 001999000

SERIAL NO:

<i>PVM-14L4</i>	<i>2,000,001–2,005,134</i>
<i>PVM-14L4//C</i>	<i>6,000,001–6,000,470</i>
<i>PVM-14L4/1</i>	<i>2,005,135–2,008,227</i>
PVM-14L5	2,000,001–2,000,996
PVM-14L5/1	2,100,001–2,100,390
PVM-14L5/2	2,100,391–2,102,040
PVM-14L5/3	2,102,041–2,104,130
<i>PVM-20L2</i>	<i>2,500,001–2,500,040</i>
PVM-20L2	2,000,001–2,000,390
<i>PVM-20L2//C</i>	<i>6,000,001–6,000,060</i>
<i>PVM-20L2/1</i>	<i>2,500,041–2,500,050</i>
PVM-20L2/1	2,000,391–2,001,070
<i>PVM-20L2/2</i>	<i>2,500,051–2,500,070</i>
PVM-20L2/2	2,001,071–2,001,120
<i>PVM-20L4</i>	<i>2,000,001–2,002,547</i>
<i>PVM-20L4/1</i>	<i>2,002,548–2,003,017</i>
PVM-20L5	2,000,001–2,000,810
PVM-20L5/1	2,100,001–2,100,109
PVM-20L5/2	2,100,110–2,101,109
PVM-20L5/3	2,101,110–2,102,549
PVM-20L5/4	2,102,550–2,103,159
<i>PVM-9L2</i>	<i>2,500,001–2,500,080</i>
PVM-9L2	2,000,001–2,002,668
<i>PVM-9L2/1</i>	<i>2,500,081–2,500,090</i>
PVM-9L2/1	2,002,669–2,004,093
<i>PVM-9L2/2</i>	<i>2,500,091–2,500,096</i>
PVM-9L2/2	2,004,094–2,004,320
<i>PVM-D14L5A</i>	<i>2,000,001–2,000,054</i>
<i>PVM-D14L5A/1</i>	<i>2,000,055–2,000,346</i>
<i>PVM-D14L5A/2</i>	<i>2,000,347–2,000,466</i>
<i>PVM-D20L5A</i>	<i>2,000,001–2,000,191</i>
<i>PVM-D20L5A/1</i>	<i>2,000,192–2,000,256</i>
<i>PVM-D20L5A/2</i>	<i>2,000,257–2,000,276</i>

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